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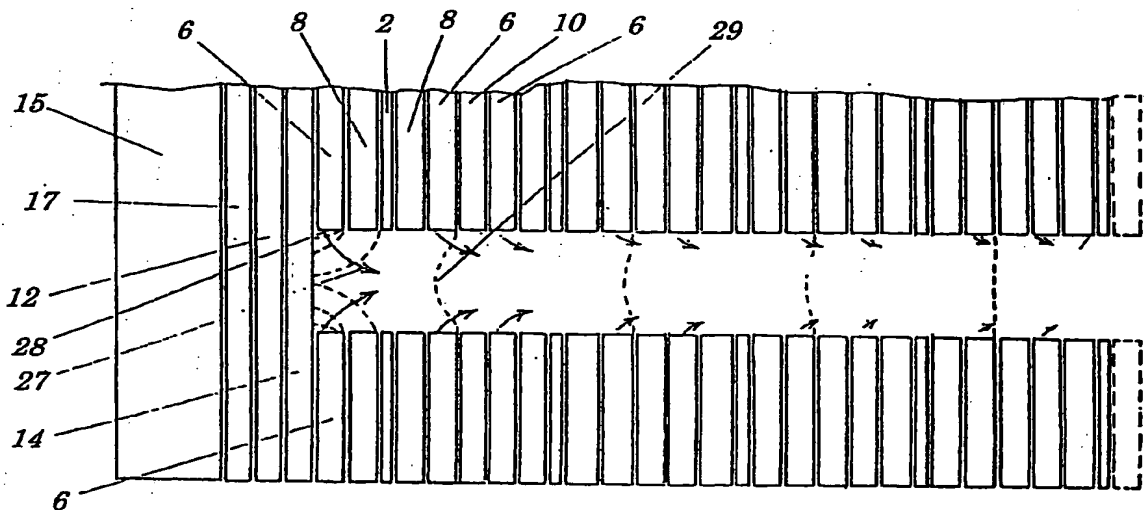
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- (74) Agent: REITSTÖTTER-KINZEBACH (Z217); Reitstötter, Kinzebach & Partner (GbR), Sternwartstrasse 4, 81679 München (DE).
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- (71) Applicant (for all designated States except US): NUVERA FUEL CELLS EUROPE S.R.L. [IT/IT]; Via Bistolfi, 35, I-20134 Milan (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MERLO, Luca [IT/IT]; Via Molera, 12, I-22030 Montorfano (IT). FACCHI, Daniele [IT/IT]; Via S. Anna, 17, I-25038 Rovato (IT). MAGGIORE, Antonio [IT/IT]; Via Eustachi, 20, I-20133 Milano (IT). FAITA, Giuseppe [IT/IT]; Via Rivolta, 15, I-28100 Novara (IT).
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(54) Title: ELECTROCHEMICAL GENERATOR



(57) Abstract: The invention describes a new design of ionomer membrane fuel cell stack comprising a multiplicity of stainless steel bipolar plates, electrodes, membranes and perimetrical sealing gaskets enclosed between compression plates. The novel design is directed to prevent the build up of metal ions in the membranes and the consequent voltage decay; for this purpose, the lateral migration inside the ionomer membranes of the metal ions contained in the cooling fluid is prevented.

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